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## Epson EMP-1810 Projector Specification Sheet

The ultimate solution for high performance presentations

<b>PRODUCT TYPE</b>	Portable Multimedia Projector	
<b>PRODUCT NAME</b>	EMP-1810	
<b>PRODUCT CODE</b>	V11H233053	
<b>PROJECTION SYSTEM</b>	RGB Liquid Crystal Shutter Projection System	
<b>PROJECTION METHOD</b>	Front / Rear / Ceiling Mount	
<b>SPECIFICATION OF MAIN PARTS</b>		
LCD	Size	0.8 inches with MLA ( D5)
	Driving method	Poly-Silicon TFT Active Matrix
	Pixel number	786,432 pixels (1024 x 768) x 3
	Native resolution	XGA
	Aspect ratio	4:3
	Pixel arrangement	Cross Stripe
	Refresh Rate	50Hz-60Hz
PROJECTION LENS	Type	Manual: zoom / focus
	F-number	1.75 - 2.42
	Focus length	24 - 38.2mm
	Zoom ratio	1:1.6
	Offset	6:1
PROJECTION LAMP	Type	E-TORL 210 W UHE
	Optical System	Dichroic Mirror Separation & Prism Combine Method
SCREEN SIZE (PROJECTED DISTANCE)	30 to 300 inch [1.39 to 14.69m] (Zoom: Tele), 30 to 300 inch [0.83 to 9.06m] (Zoom: Wide) 60" screen 1.8m - 2.9m	
<b>BRIGHTNESS</b>		
	High Brightness Mode	3500 ANSI lumens (Colour mode: Game, Zoom: Wide)
	Low Brightness Mode	2700 ANSI lumens (Colour mode: Game, Zoom: Wide)
<b>CONTRAST</b>	500:1	
<b>BRIGHTNESS UNIFORMITY</b>	90% (Typ.)	
<b>COLOUR REPRODUCTIVITY</b>	Full colour (16.77 million colours)	
<b>SOUND OUTPUT (Internal speaker)</b>	5W monaural	
<b>FUNCTION</b>	Pointer, User Logo, A/V mute, Freeze, E Zoom, Help	
<b>EFFECTIVE SCANNING FREQUENCY RANGE (Analog)</b>		
<b>PIXEL CLOCK</b>	13.5MHz to 162MHz	
<b>HORIZONTAL</b>	15KHz to 99KHz	
<b>VERTICAL</b>	50Hz to 1205Hz	
<b>ADJUSTMENT FUNCTION</b>		
<b>PROJECTOR / REMOTE CONTROL</b>	Keystone / Brightness / Contrast / Tint / Saturation / Sound / Input signal	
<b>HEIGHT ADJUSTER</b>	Front-centre	
<b>TILT ANGLE</b>	0 to 10 degrees	
<b>KEYSTONE CORRECTION</b>	Vertical: -45 to +45 degrees (Zoom: Tele) Horizontal: -30 to +30 degrees (Zoom: Tele) Vertical: -30 to +30 degrees (Zoom: Tele)	
<b>AUTO KEYSTONE CORRECTION</b>	Yes	
<b>SOURCE SEARCH</b>	Yes	
<b>AUTO DETECTION OF RGB / YCbCr</b>	Yes	
<b>MULTI SCREEN COLOUR ADJUSTMENT</b>	Yes	
<b>OPERATION PANEL PROTECTION FUNCTION</b>	Yes	
<b>PASSWORD PROTECTED FUNCTION</b>	Yes	
<b>ANALOGUE RGB I/O</b>		
<b>DISPLAY PERFORMANCE</b>	Native	1024 x 768 pixels
<b>INPUT SIGNAL</b>	Signal type	Separate signal
	Video signal	Analogue (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)
	Sync. signal	Separate (positive & negative, bi-polarity 2-5Vpp) / Composite (positive & negative, bi-polarity 2-5Vpp) / Sync-on-green (negative, 0.3Vpp)
	Audio signal	500mVrms / 47K-ohm
<b>VIDEO INPUT TERMINAL</b>	D-sub 15pin x 2 Blue-moulding	

## VIDEO I/O

### DISPLAY PERFORMANCE

#### INPUT SIGNAL

Video standard

NTSC: 560 lines PAL: 560 lines (Depends on observation of the multi burst pattern)

Video signal

NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM  
Composite Video (1.0Vpp / sync negative, 75ohm) / S-Video (Luminous 0.714Vpp, Chrominous 0.286Vpp, 75ohm) / Component Video (Analog Y level 0.7V 75 ohm / Cr Cb level +/- 0.35V 75ohm / sync negative 0.3V or 3-state +/-0.3V on Y) / Video-RGB (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)

Audio signal

500mVrms / 47Kohm

#### VIDEO INPUT TERMINAL

Composite Video: RCA (Yellow) x 1

S-Video: Mini DIN

Component Video: Mini D-sub 15pin Blue-moulding x 2  
(in common with Analog RGB connector)Video-RGB: Mini D-sub 15pin 2 x Blue-moulding  
(in common with Analog RGB connector)

USB Display

## CONTROL I/O

#### USB I/O

I/O terminal

Type B x1 (for mouse, K/B, control)

I/O speed

Type B x 1: Ver 1.1

#### SERIAL I/O

I/O Terminal

D-sub 9 pin x 1

I/O signal

RS232C

## NETWORK I/O

#### USB I/O

Type

Type A x 1

Supported wireless LAN unit

Standard accessory

Wired LAN

RJ45 x 1

Type

CF x 1 ( 3.3V )

5°C to 35°C (41°F to 95°F), (20% - 80% Humidity unfrozen)

Thermal shutdown &gt; 45 degree C

0m to 2286m &lt; 0ft to 7500ft &gt;

(over 1500m / 4,921ft with high altitude mode)

Yes

Yes

Instant off

Approx. 10 seconds ( Warm up period 30sec )

side

## THEFT PROOF

Padlock &amp; Security cable connection Yes

Kensington Lock Yes

100-240V AC±10% 50/60Hz

## POWER SUPPLY VOLTAGE

## POWER CONSUMPTION

lamp On 286W

Stand by ( network on ) 12W

Stand by ( network off ) 4.6W

## DIMENSION

#### EXCLUDE FEET

257(D) x 345(W) x 86(H)mm

#### MAXIMUM DIMENSION

257(D) x 345(W) x 95(H)mm

#### WEIGHT

Approx. 2.9Kg

## FAN NOISE

#### HIGH BRIGHTNESS MODE

37dB

#### LOW BRIGHTNESS MODE

32dB

## ACCESSORIES

#### POWER CORD

3m

#### COMPUTER CABLE

1.8m, D-sub 15pin (Male) - Mini D-sub 15pin (Male)

#### REMOTE CONTROL

Compact type

#### BATTERY

Alkaline AAA x 2

#### AUDIO ADAPTER

3.5mm stereo miniplug (male) &lt;-&gt; RCA jack x2 (female) 15cm

#### WIRELESS LAN ADAPTOR

Attached (802.11a/11b/11g)

#### SOFT CARRYING CASE

Included

#### LENS COVER

Built In

#### USER MANUAL SET

Included (CD-ROM)

#### PASSWORD PROTECT STICKER

Included

#### OWNER'S MANUAL

Included

## WARRANTY

#### STANDARD WARRANTY

2 years\* \*excluding lamp

\* For more information visit [Epson Projector Warranty](#)

#### PRODUCT CODE

V11H233053

## PRODUCT OPTIONS

#### Product Code

**Item Code****Description**

ELP-LP40

V13H010L40

Lamp

3YWEMP1810

3YWEMP1810

3rd Year Warranty

7012084

7012084

Standard flush Ceiling Mount

7012083

7012083

Ceiling Mount with extendable pole (460mm expandable to 750mm)